

## Process Cooling Water Stick Supply Side



Standard Configuration →

Typical Custom Version →



### Standard Features:

- Superior pressure regulator performance.
- No corrosion, no maintenance.
- True union connection on ball valve; threaded, socket, or custom connections on pressure regulator.
- Molded, machined and assembled in USA.
- Lower cost and smaller footprint than individually assembled sticks.
- Easily adapts to any piping configuration.
- Elimination of threaded joints results in superior mechanical strength.

### Custom Sticks:

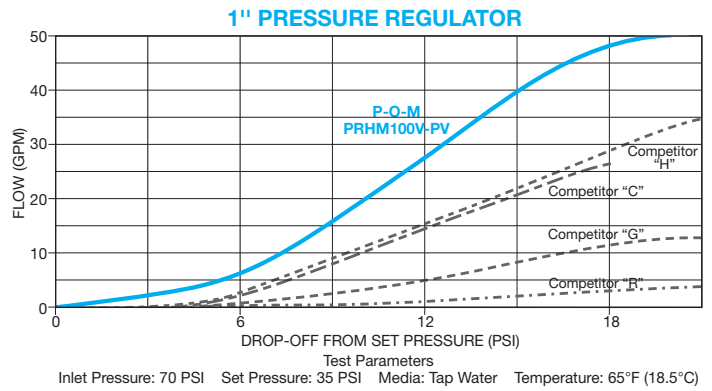
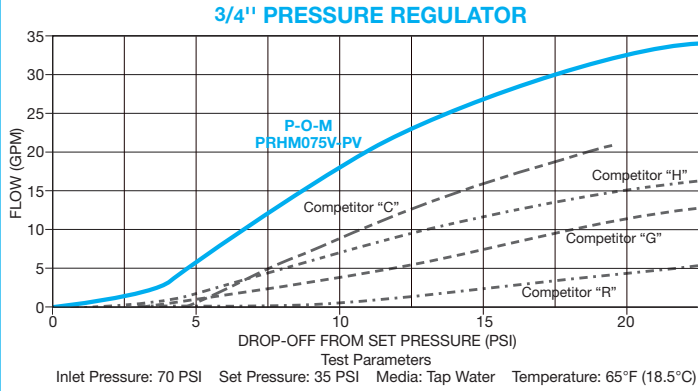
Can be designed and built to any configuration/orientation. Valves, gauges, regulator and other components can be customized for any application.

### Design:

Incorporates Plast-O-Matic premium pressure regulator, pressure and temperature gauge, and quarter-turn True Blue trunion ball valve in a compact, rugged design. Pressure regulator offers set pressure range from 5 to 125 psi. Gauge can be specified on either side of the regulator so that gauge faces "out" for easy reading. Stick is reinforced to minimize possibility of damage. A variety of end connectors and custom valve combinations can be specified. Wetted metals on gauge only. Ball valve can be actuated at any time if the need arises. All units built in USA and individually tested.

# SERIES PCWS – PROCESS COOLING WATER STICK

## PERFORMANCE CURVES



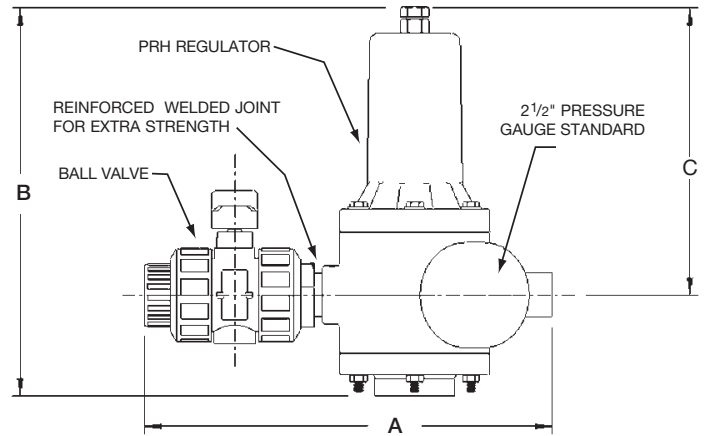
The drop-off is the difference between the pressure regulator set pressure and the downstream pressure.

NOTE: All data for these curves was collected from actual flow tests at Plast-O-Matic Valves, Inc., Cedar Grove, NJ, or manufacturer's published performance data. The measuring equipment used was the same for all regulators tested, and the relative results between different models are considered to be an accurate portrayal of the data.

## PCWS Dimensions & Model Numbers

Pipe Size	Part No. Prefix	A		B		C	
		IN.	MM	IN.	MM	IN.	MM
1/2"	PCWS050	7.3	185.6	8.6	218.9	6.5	165.0
3/4"	PCWS075	11.2	283.9	11.5	292.8	8.5	216.6
1"	PCWS100	12.2	308.6	11.5	292.8	8.5	216.6

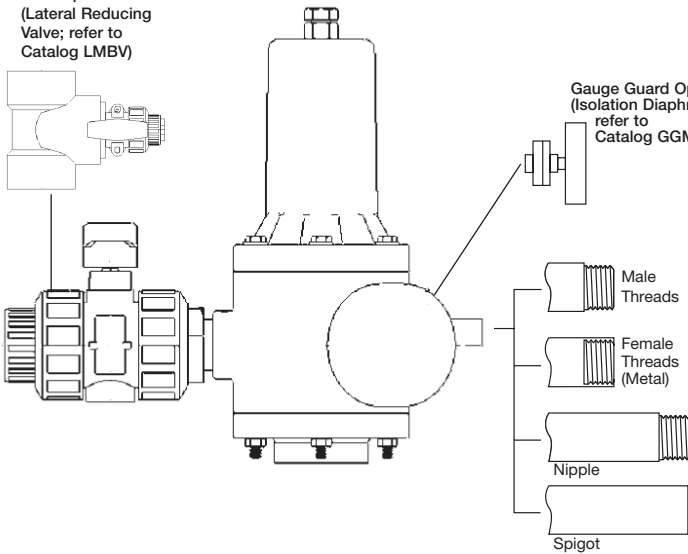
2 1/2" steel gauge is standard.  
Optional 2 1/2" stainless or 3" tridicator available.



## Options

LMBV Option:  
(Lateral Reducing Valve; refer to Catalog LMBV)

Gauge Guard Option:  
(Isolation Diaphragm; refer to Catalog GGME)



## Ordering Information

Order by part number and specify exact chemicals, temperatures and pressures. To arrive at the proper part number, please consult diagram below.

The letters and numbers used in this part number are for example only!

<b>PCWS</b>	<b>100</b>	<b>X</b>	<b>EP</b>	<b>T</b>	<b>-PV</b>
PROCESS COOLING WATER SUPPLY	VALVE PIPE SIZE		SEAL MATERIAL		BODY MATERIAL
	050 1/2"		EP EPDM		-PV Polyvinyl Chloride (PVC)
	075 3/4"				
	100 1"				

**CONNECTIONS**  
S Socket Ends  
T Threaded Ends

### SPECIAL DESIGNATION

When "X" appears in this spot, it designates BSP threads.

Spigots and other connection types available.

FOR CUSTOM VALVE AND END CONNECTOR COMBINATIONS, CONSULT FACTORY.

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